

Interconnected Fabric Module

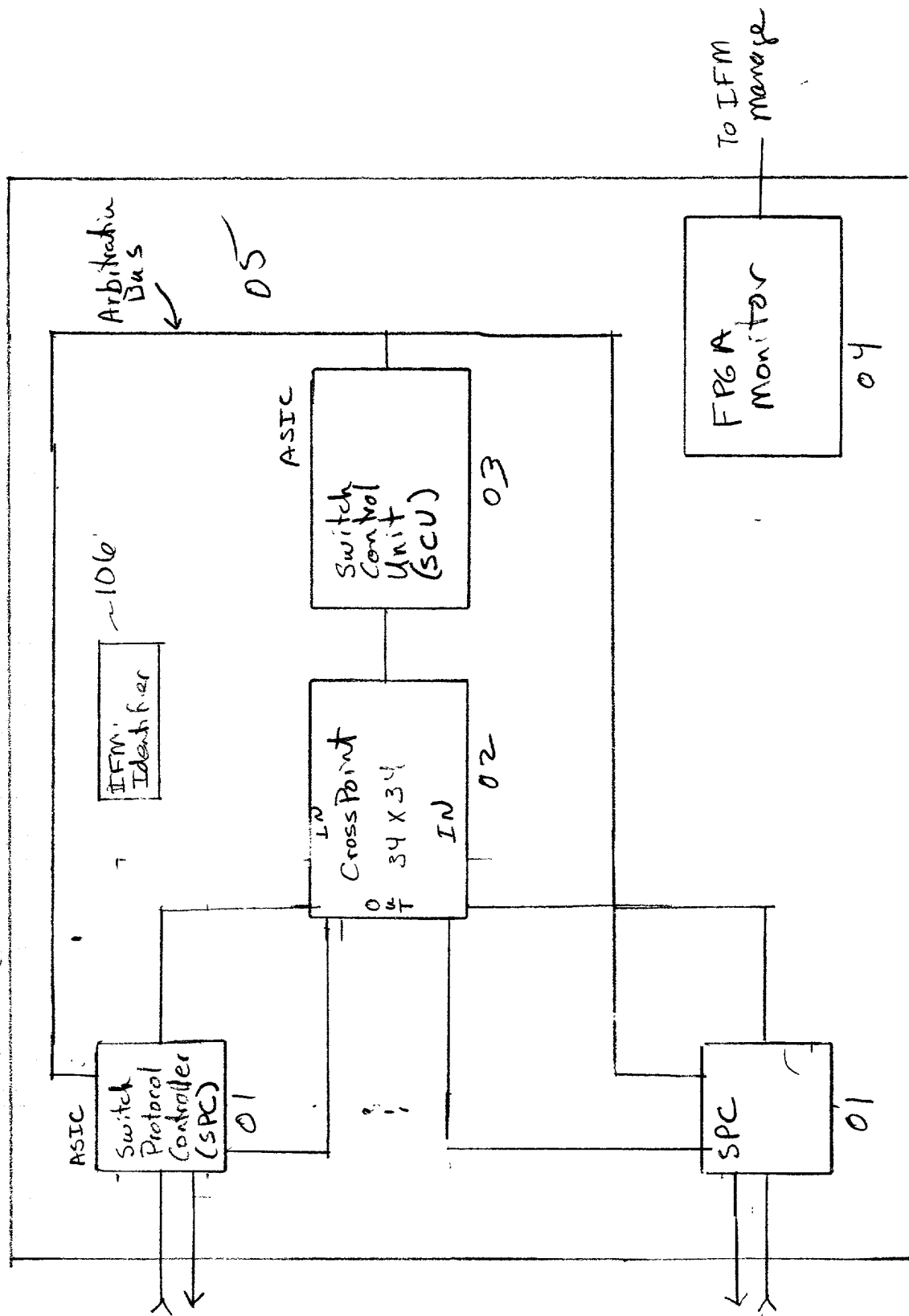


Fig 1

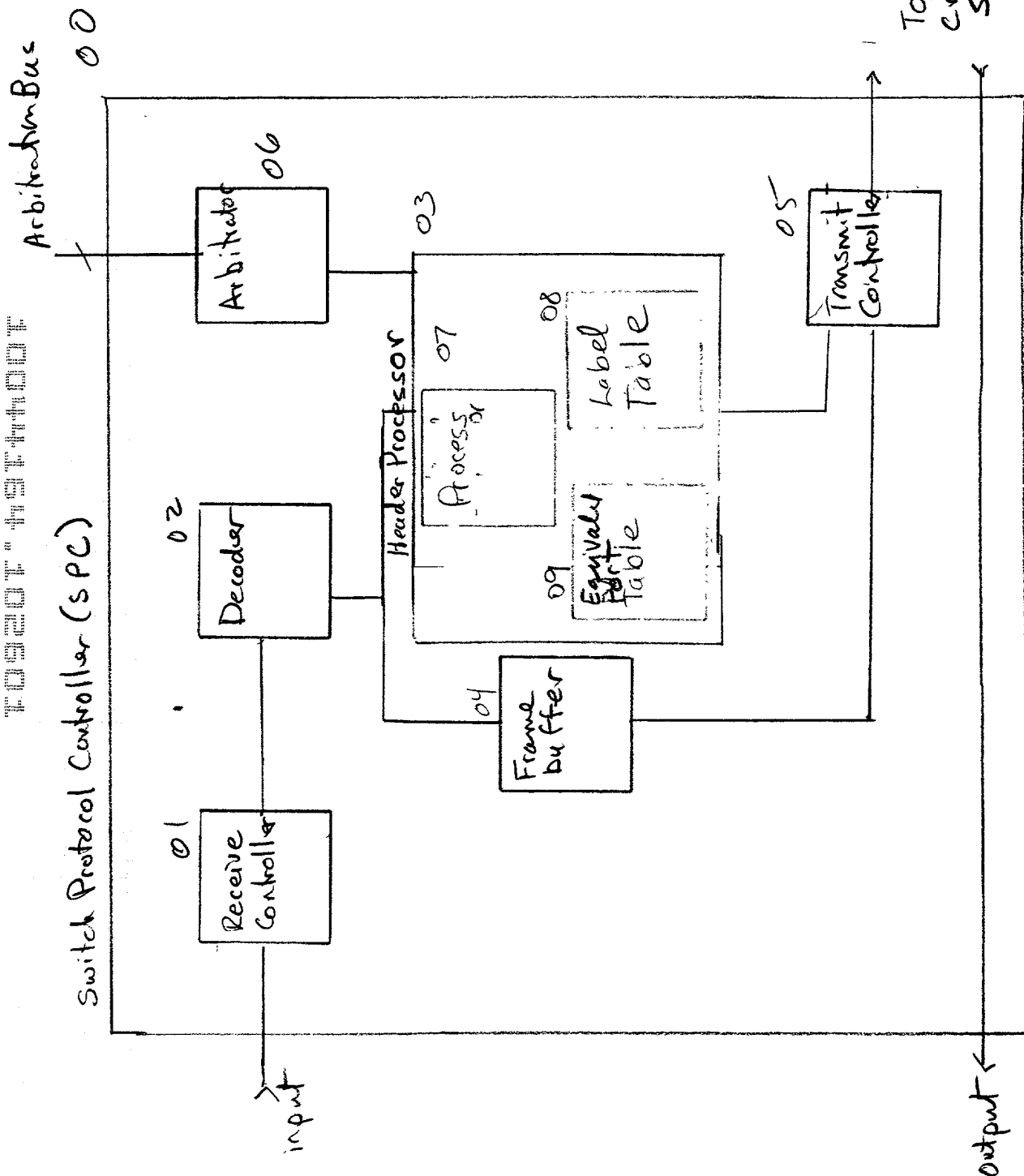
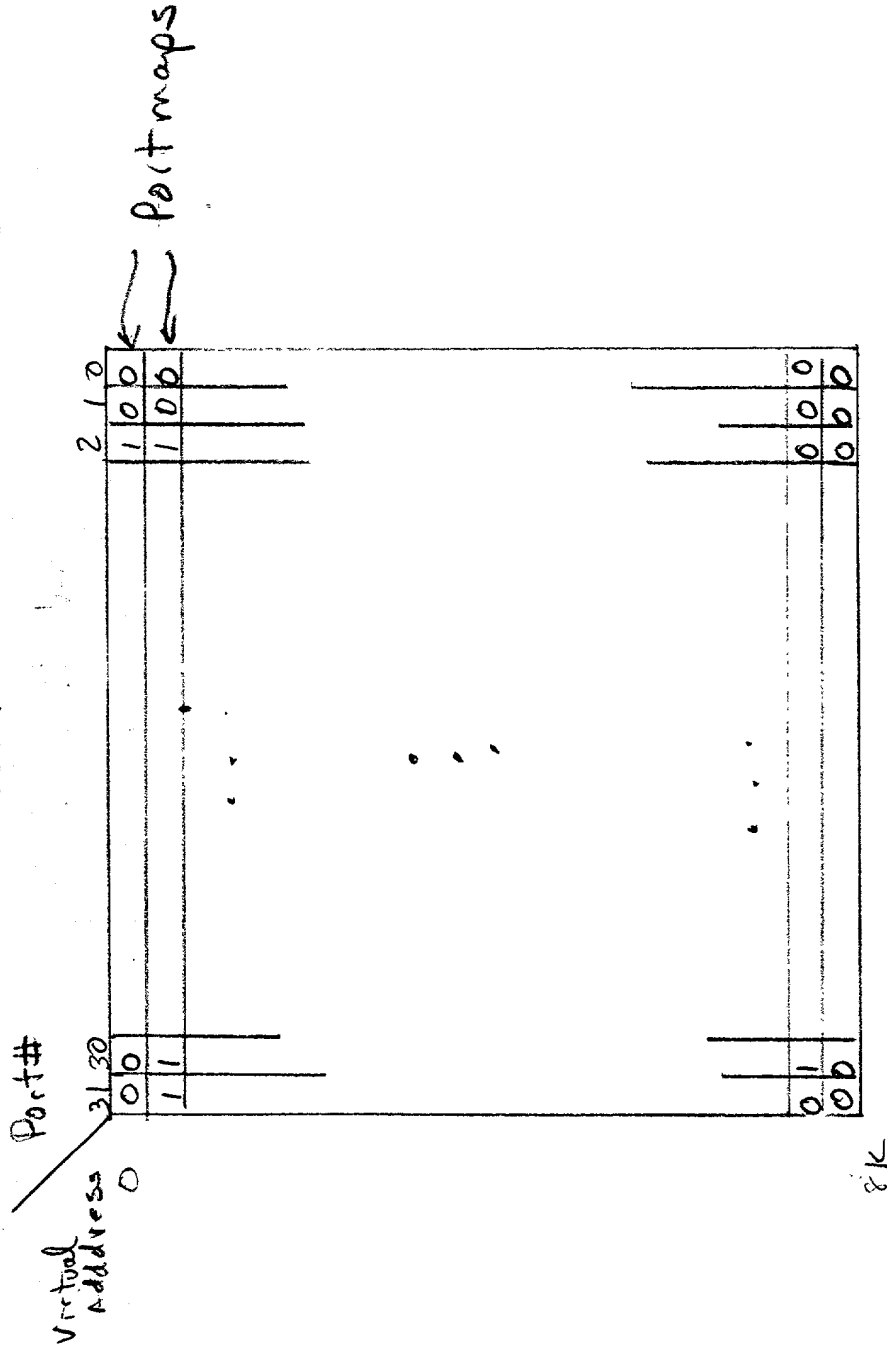


Fig 2

Label Table of "Hydroponic"



M
∞
L

Frame

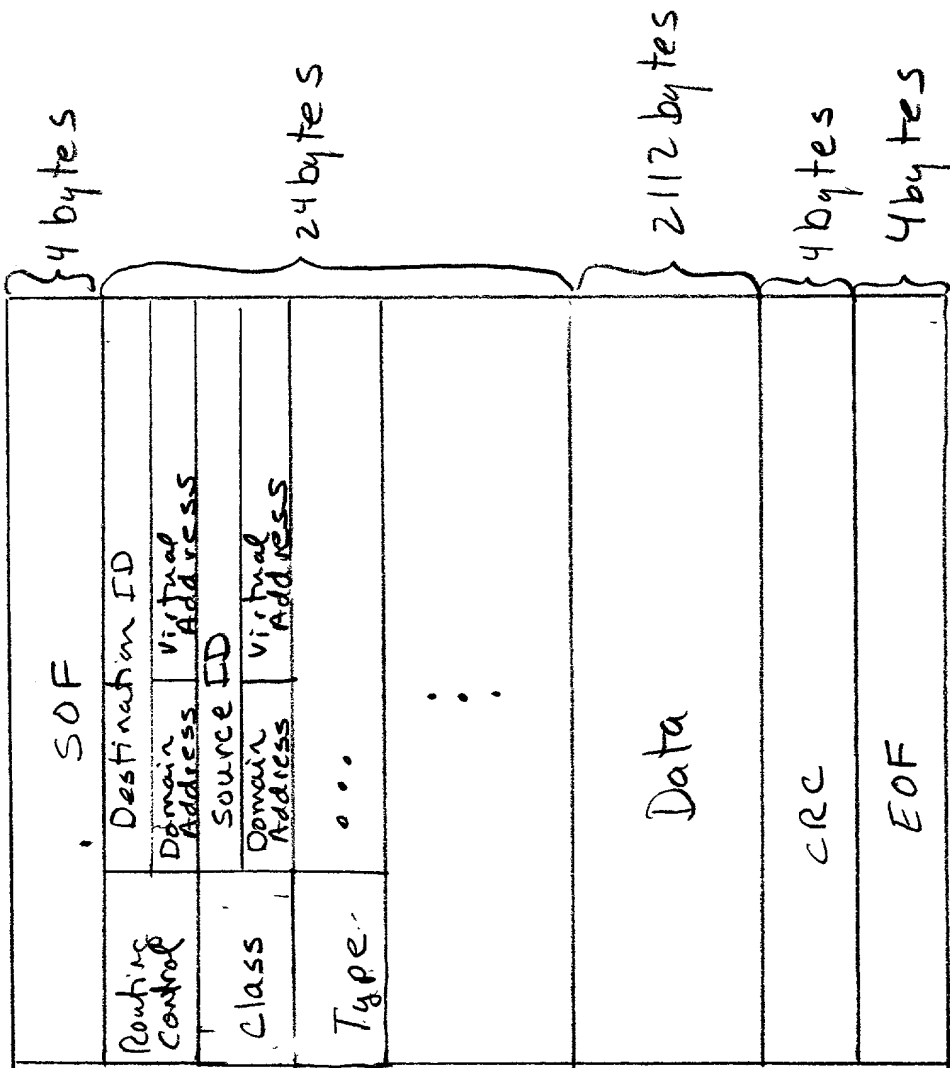


Fig 4

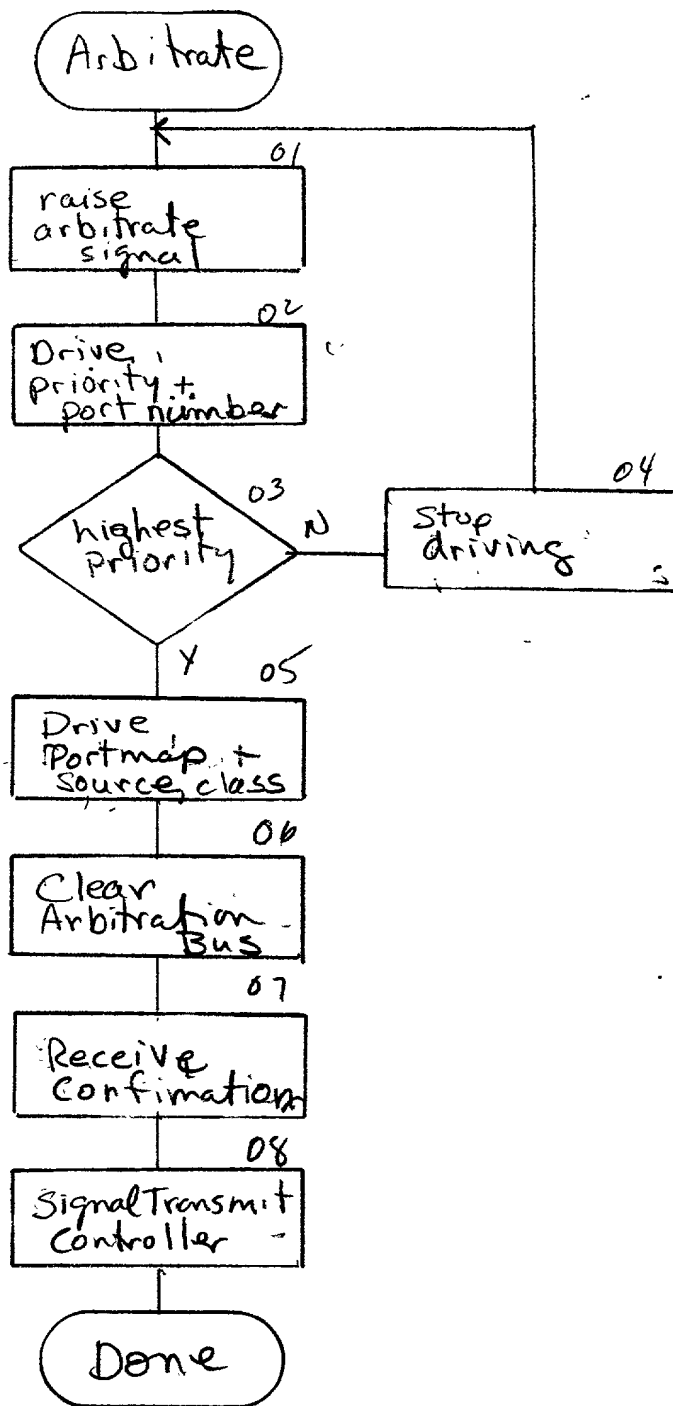


Fig 5

Transmission Controller 00

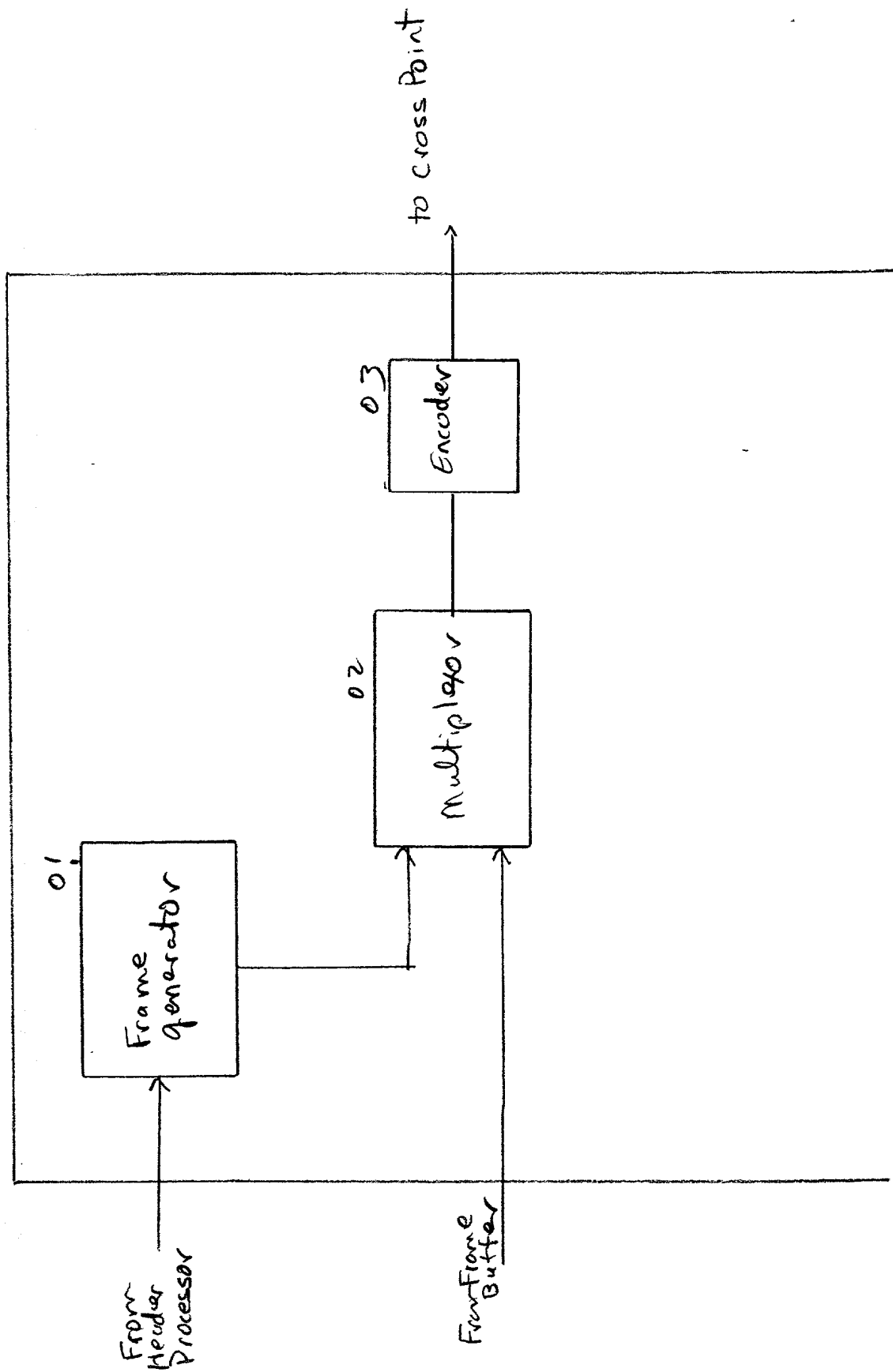


Fig 6

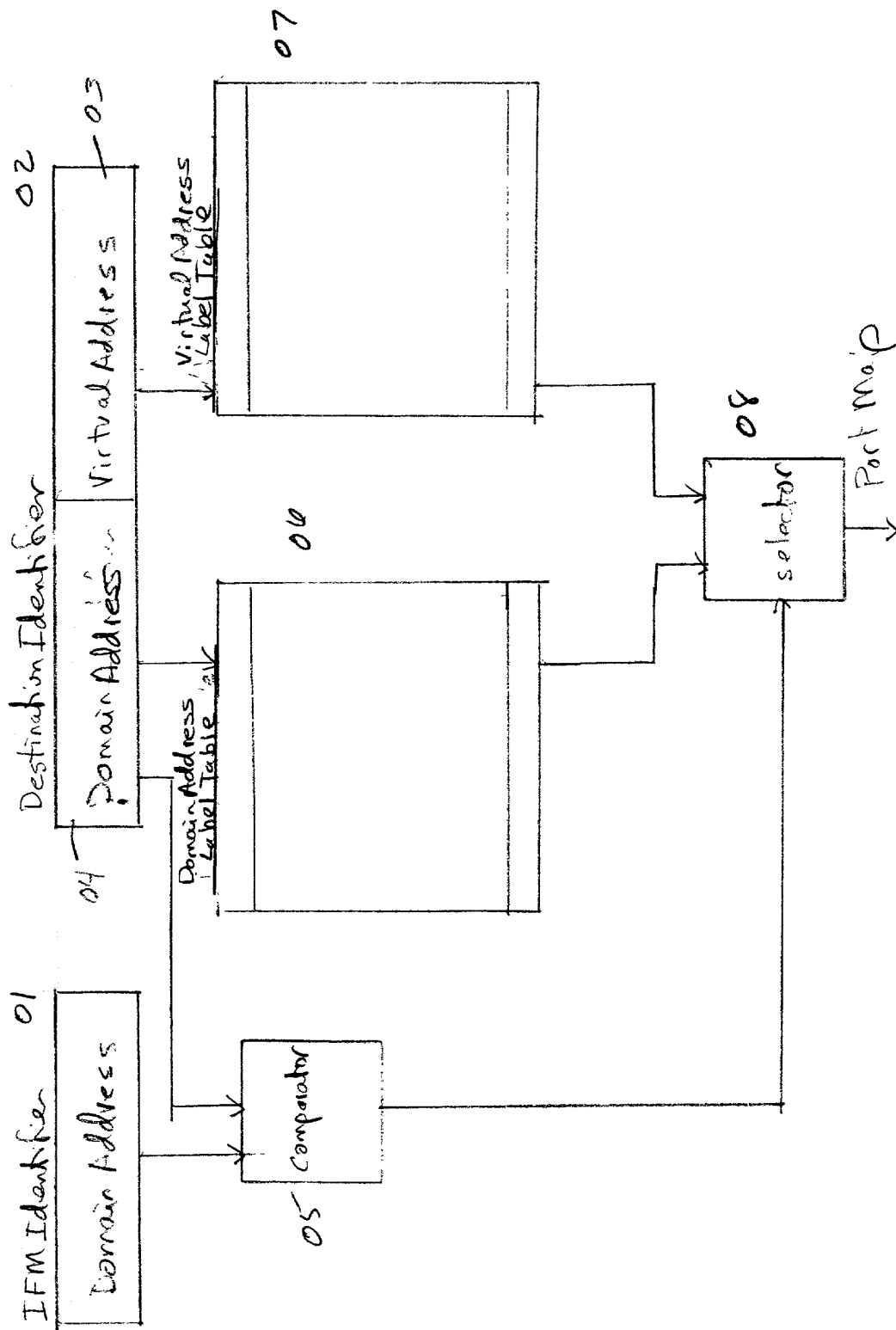


Fig. 8

Quad Switch Protocol Controller

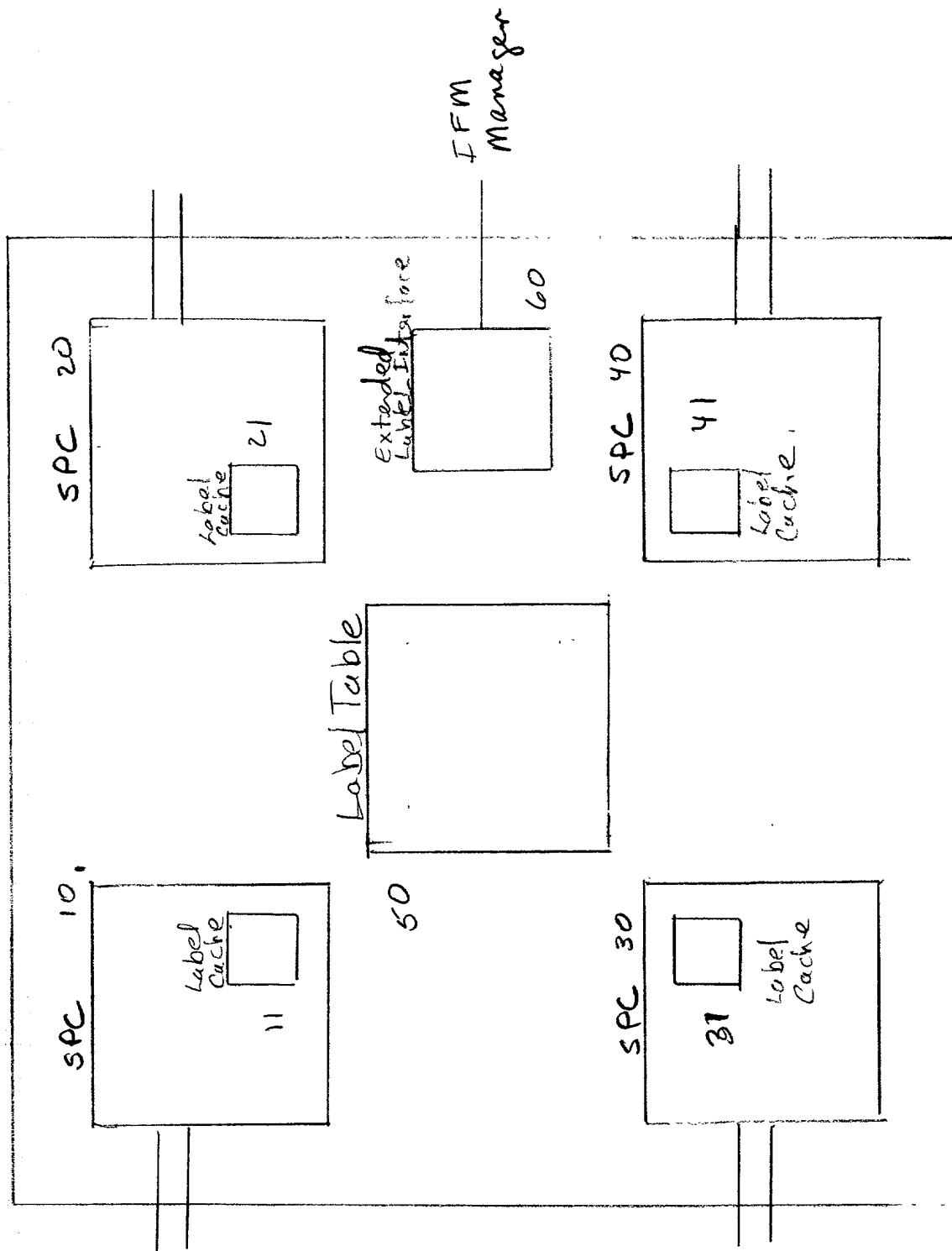


Fig 9

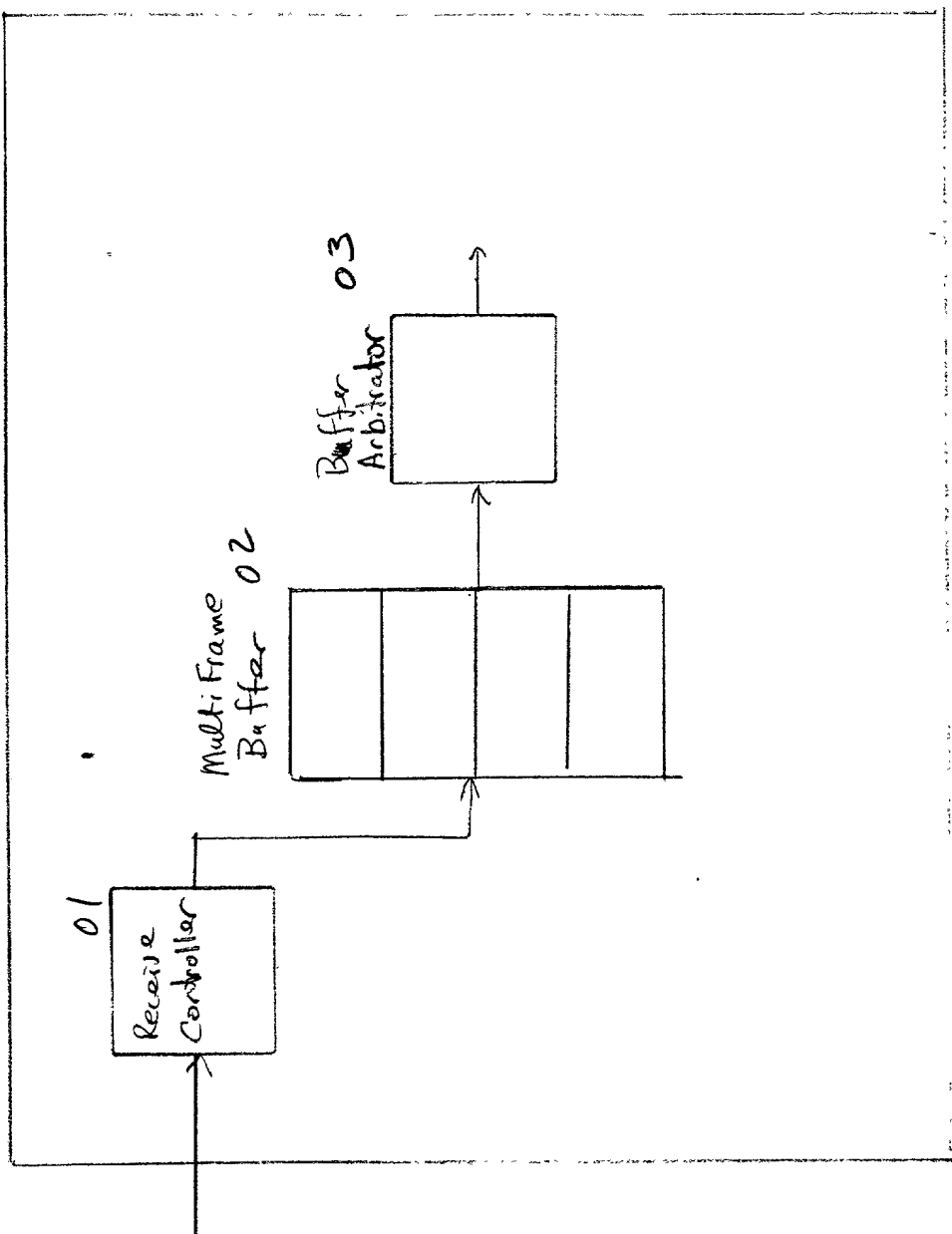


FIG 10

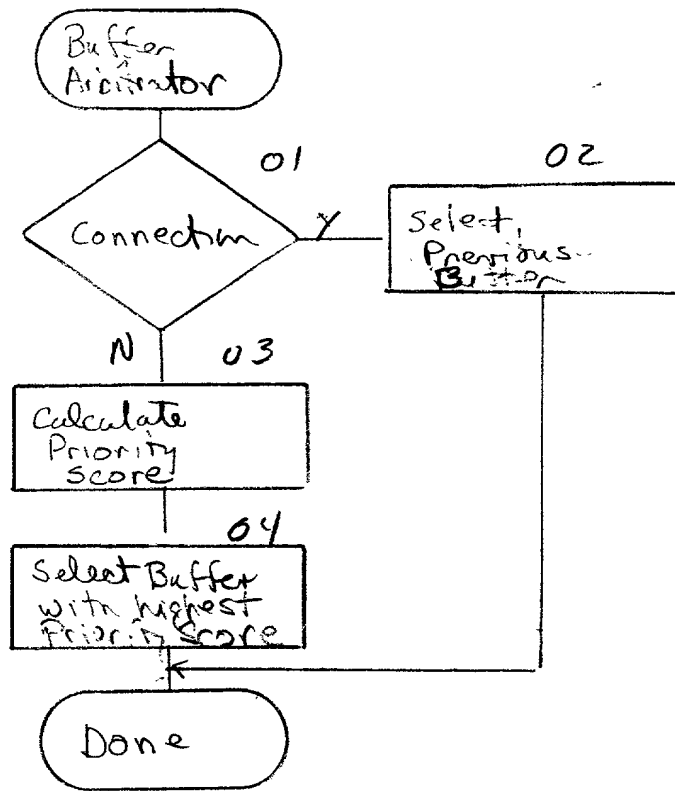


Fig 11

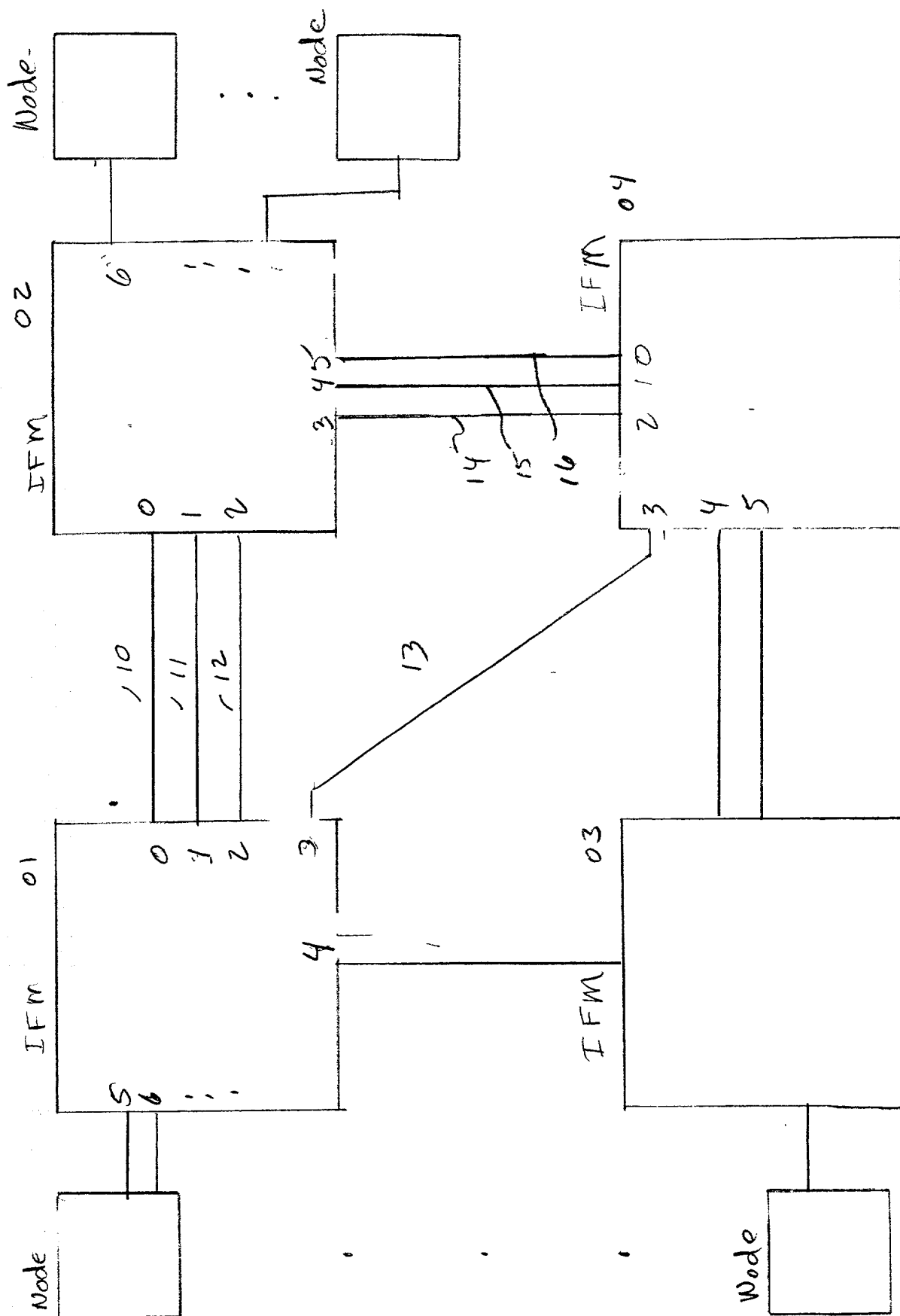


Fig 12

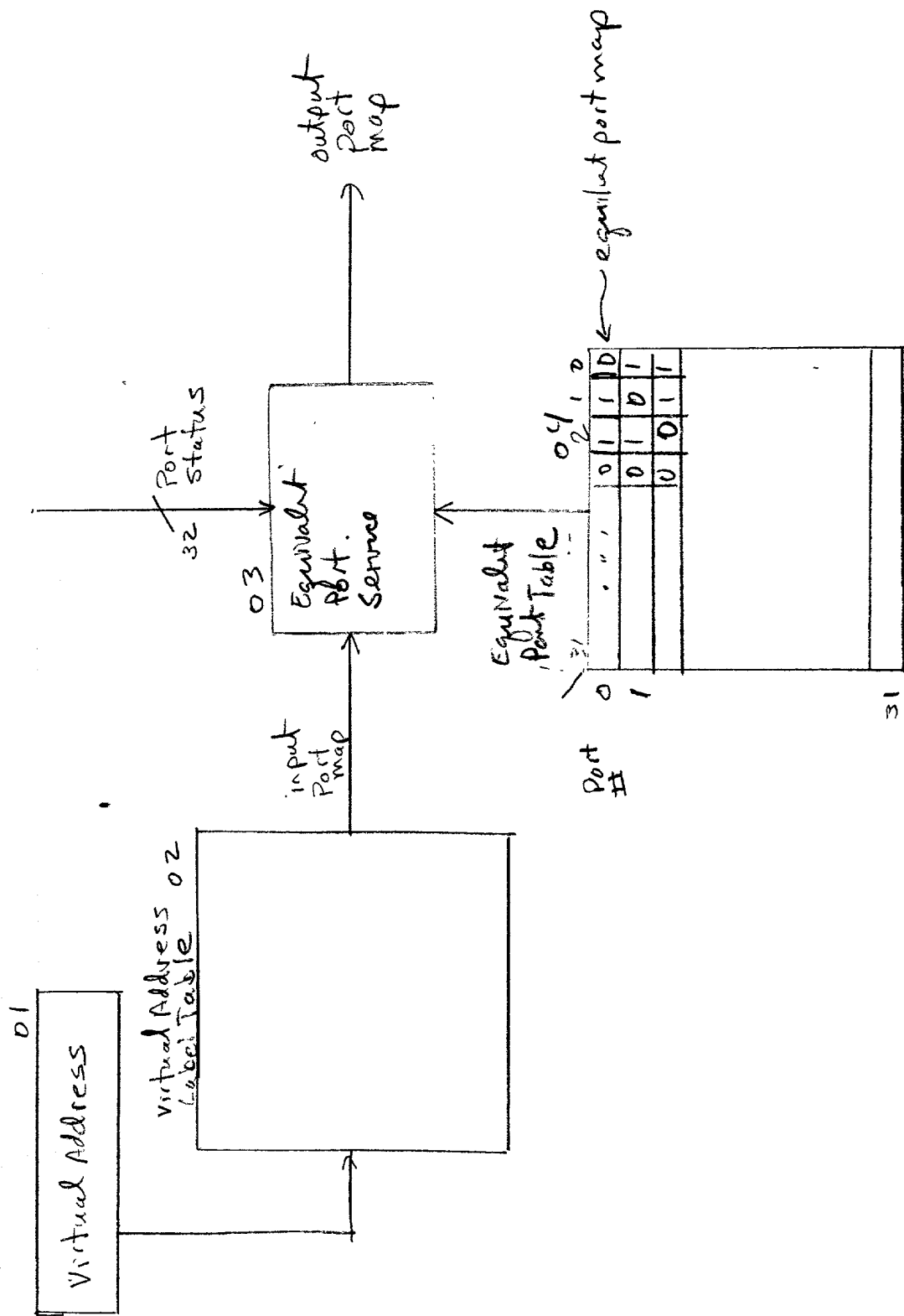


Fig 13

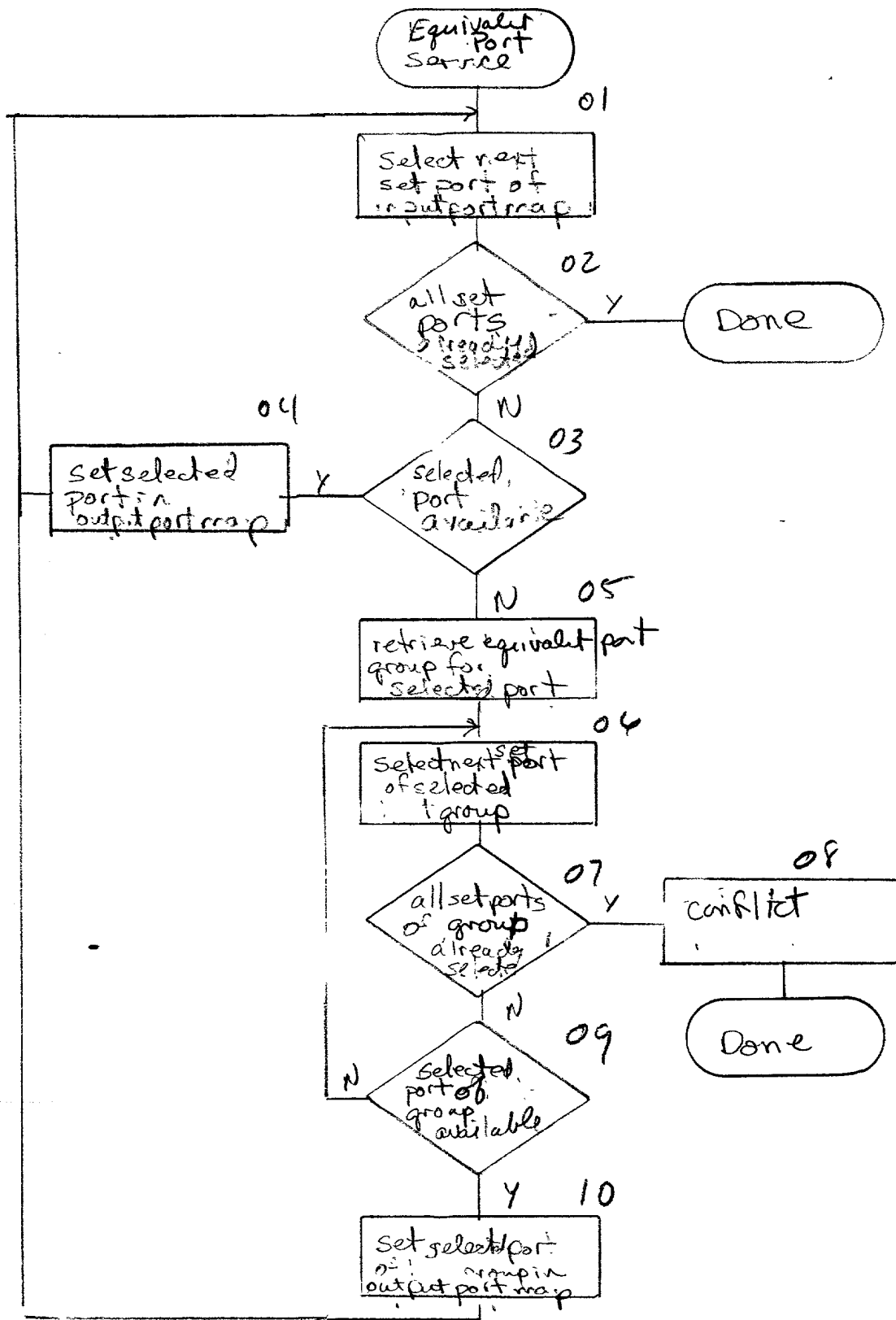


Fig 14

Header Processor

Destination Identifier

Virtual Address

01

any SP

103

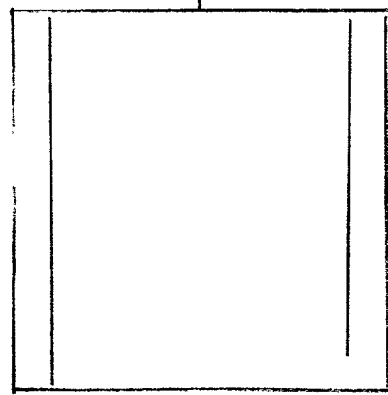
Comparator

enable port 32

enable port 33

Reserved
Virtual Address Table

02



IFM

05

Cross
Point
Switch

04

32

33

IFM Manager

07

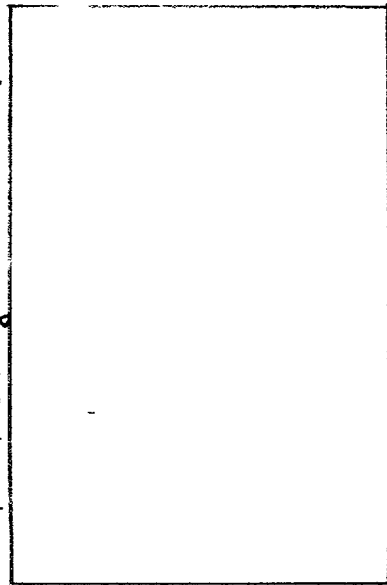
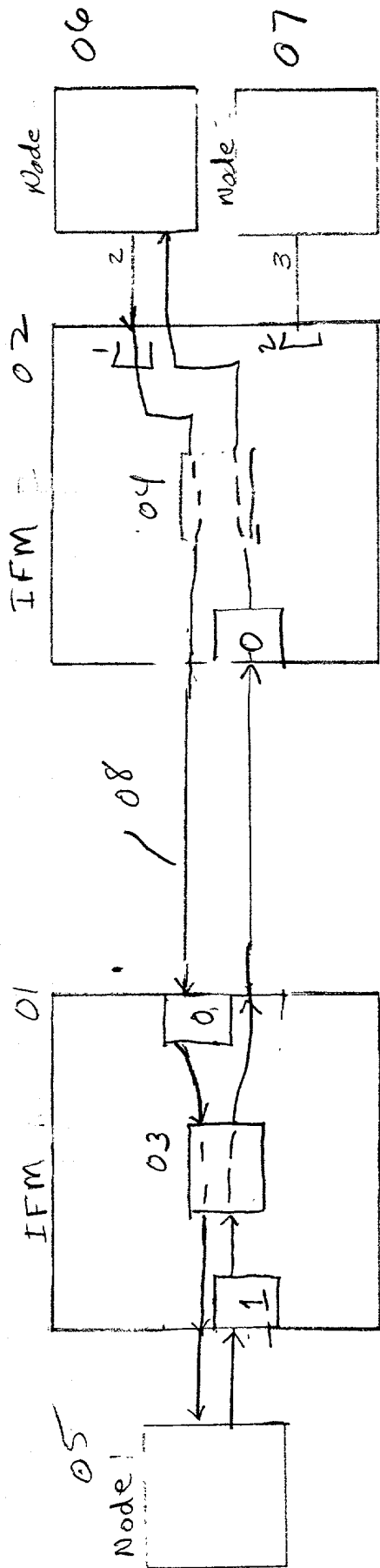


Fig 15



Dead lock

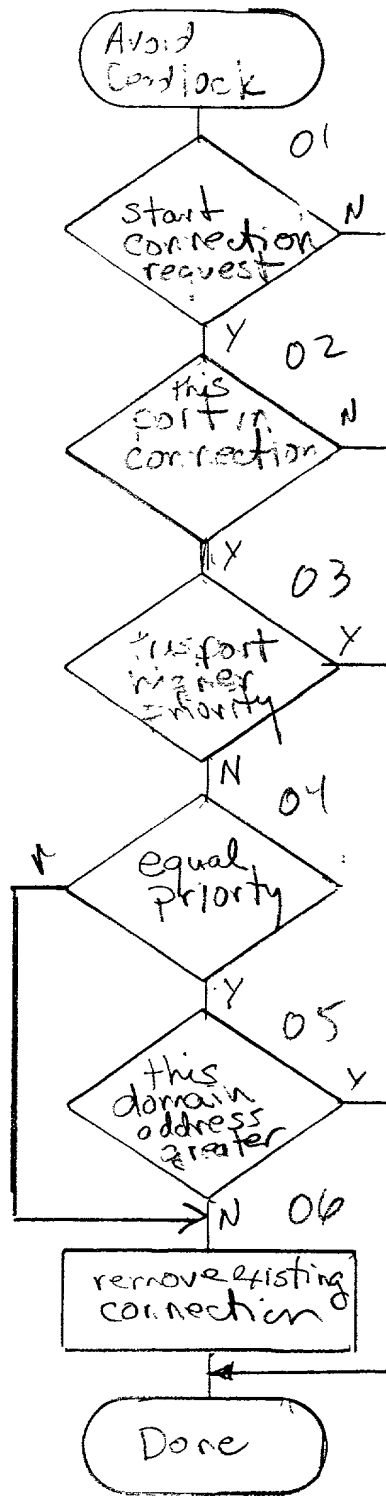
10

Time Node 1605 IFM 1601 Node 1606 IFM 1602

0 Send start connect 1 2 Send start connect

1	Connect 1 ↔ 0	Connect 2 ↔ 0
2	Forward start Connect	Forward start Connect
3	Can't forward start connect Node 1	Can't forward start connect

Fig 16



Water end-to-end
not established

Fig 17

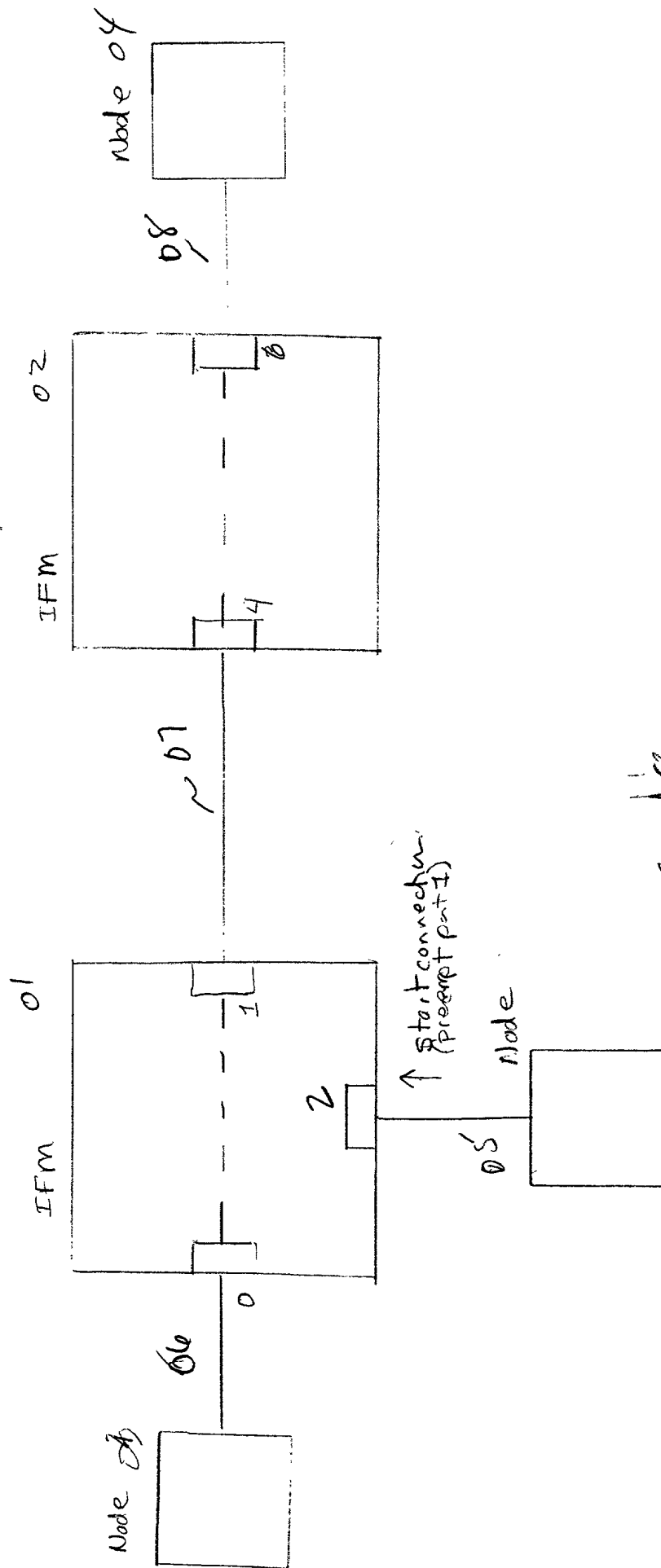
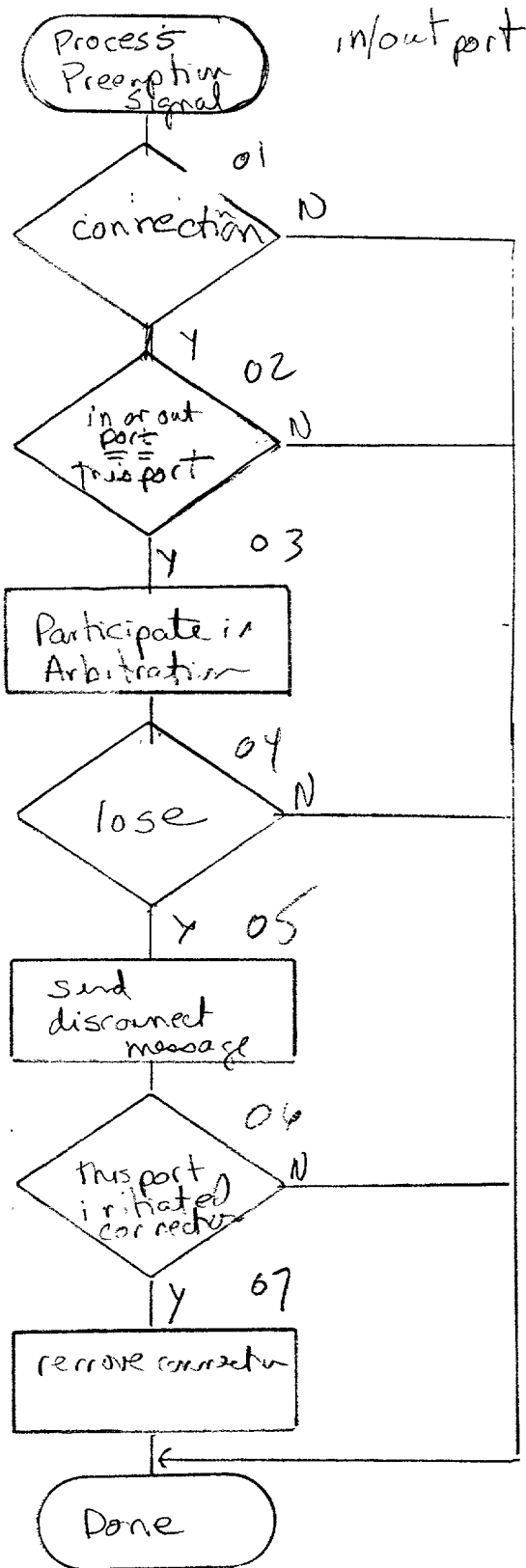


Fig 18



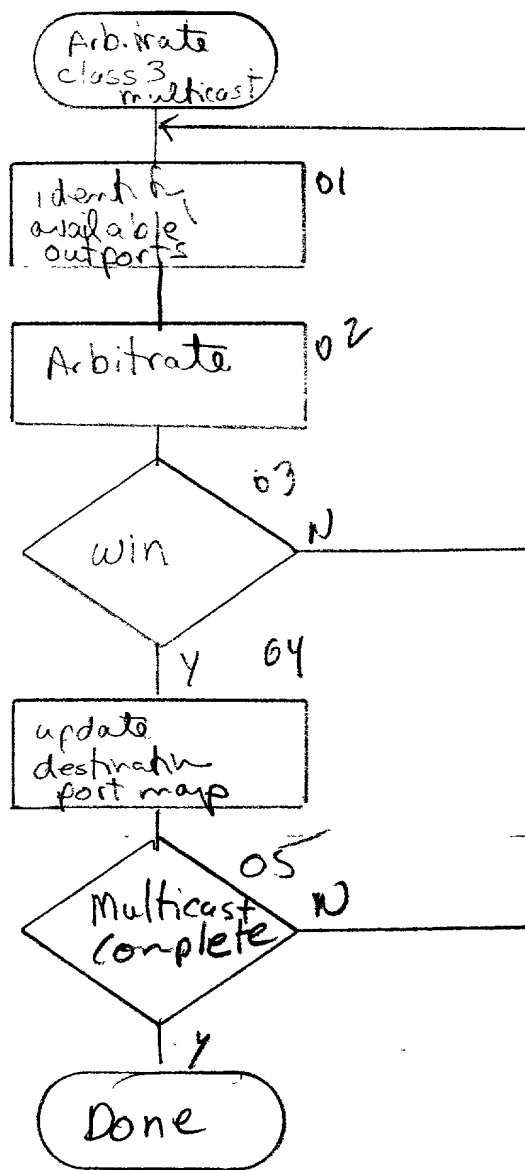


Figure 20